

Patent  
62478-5317

**IN THE CLAIMS:**

1.-90. (Cancelled)

91. (Currently Amended) A component placement evaluation aiding computer program embodied on a computer readable medium for displaying a placement of components that are on a wiring board and aiding an evaluation by a user of whether a placement of a position dependent component whose effectiveness differs according to a placement position is appropriate, the program realizing on a computer:

a position information storage step for storing a set of position information which is made up of information showing a position on a wiring board of

(a) a position dependent component, or a pin thereof, and

(b) one or more effected components, or pins thereof, which are potentially effected by the position dependent component, wherein the position information storage step includes determining and storing effective components based on an effective frequency spectrum according to pin spacing;

a retrieval step for retrieving from the position dependent component or the pin thereof, based on the sets of position information stored in the position information storage step, for each effected component or the pins thereof, whether the effected component or the pin thereof is within a predetermined distance from the placement dependent component or the pin thereof, or for retrieving a predetermined number of effected components or pins thereof in a predetermined order; and

a relationship information storage step for storing the effected component or the pin of the effected component retrieved in the retrieval step in relation with the position

Patent  
62478-5317

dependent component or the pin thereof from which the retrieval was performed, as relationship information.

92-100. (Cancelled)

101. (Previously Presented) The component placement evaluation aiding computer  
5 program of Claim 91 wherein the position information storage step includes storing a priority order for noise generating components.

102. (Previously Presented) The component placement evaluation aiding computer program of Claim 91 wherein the position information storage step includes identifying components that are noise-counteracting components.

10 103-105. (Cancelled)

106. (New) A component placement evaluation aiding computer program embodied on a computer readable medium for displaying a placement of components that are on a wiring board and aiding an evaluation by a user of whether a placement of a position dependent component whose effectiveness differs according to a placement position is appropriate, the  
15 program realizing on a computer:

a position information storage step for storing a set of position information which is made up of information showing a position on a wiring board of

(a) a position dependent component, or a pin thereof, and

(b) one or more effected components, or pins thereof, which are potentially  
20 effected by the position dependent component, wherein the position information storage step includes determining a pin priority order;

Patent  
62478-5317

a retrieval step for retrieving from the position dependent component or the pin thereof, based on the sets of position information stored in the position information storage step, for each effected component or the pins thereof, whether the effected component or the pin thereof is within a predetermined distance from the placement dependent component or the pin thereof, or for retrieving a predetermined number of effected components or pins thereof in a predetermined order; and

a relationship information storage step for storing the effected component or the pin of the effected component retrieved in the retrieval step in relation with the position dependent component or the pin thereof from which the retrieval was performed; as relationship information.

107. (New) The component placement evaluation aiding computer program of Claim 106 wherein the position information storage step includes storing a priority order for noise generating components.

108. (New) The component placement evaluation aiding computer program of Claim 106 wherein the position information storage step includes identifying components that are noise-counteracting components.

109. (New) A component placement evaluation aiding computer program embodied on a computer readable medium for displaying a placement of components that are on a wiring board and aiding an evaluation by a user of whether a placement of a position dependent component whose effectiveness differs according to a placement position is appropriate, the program realizing on a computer:

Patent  
62478-5317

a position information storage step for storing a set of position information which is made up of information showing a position on a wiring board of

(a) a position dependent component, or a pin thereof, and

(b) one or more effected components, or pins thereof, which are potentially

5 effected by the position dependent component,

wherein the position information storage step includes determining an effected component priority order in ascending order of impedance;

a retrieval step for retrieving from the position dependent component or the pin thereof, based on the sets of position information stored in the position information storage step,

10 for each effected component or the pins thereof, whether the effected component or the pin thereof is within a predetermined distance from the placement dependent component or the pin thereof, or for retrieving a predetermined number of effected components or pins thereof in a predetermined order; and

a relationship information storage step for storing the effected component or the  
15 pin of the effected component retrieved in the retrieval step in relation with the position dependent component or the pin thereof from which the retrieval was performed, as relationship information.

110. (New) The component placement evaluation aiding computer program of Claim  
109 wherein the position information storage step includes storing a priority order for noise  
20 generating components.

Patent  
62478-5317

111. (New) The component placement evaluation aiding computer program of Claim 109 wherein the position information storage step includes identifying components that are noise-counteracting components.